

Senior Full-Stack Software Engineer with 7 years of experience. I design and build applications, platforms and digital solutions, while exploring what artificial intelligence makes possible.

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TECHNICAL SKILLS

Backend Engineering

Java Spring Spring Boot Go

Kotlin Python

Frontend Engineering

Vue.js Angular JavaScript

HTML5 CSS3

Software Architecture & Integration

Software Engineering

Backend Architecture REST API

Systems integration

Enterprise applications

Web applications

AI & Automation

AI applied to software

Process automation

EDUCATION

University of Naples Federico II

Degree

AVAILABILITY

- Available for new freelance projects

PROFILE

What interests me most is what sits beneath the surface: how a system is organised, how its parts talk to each other, and how it stays understandable as it grows.

After graduating from the University of Naples Federico II, I built my experience across very different technology companies, working first on the backend and, over time, on entire applications.

Changing context several times taught me to adapt quickly to new stacks, teams and domains, and to value the architectural choices that keep a system easy to evolve.

Today I also work as an independent contractor, helping companies and professionals design and build web applications, services and integrations. Alongside that, I am studying AI applied to software.

PROFESSIONAL JOURNEY



CHAPTER 01 — FOUNDATIONS

The foundations

A degree from the University of Naples Federico II: the method of software engineering, reasoning about problems before code.

[Software engineering](#)



CHAPTER 02 — BACKEND

A backend core

Services, APIs and domain logic in enterprise contexts, where reliability and maintainability matter as much as features. This is where my way of working took shape.

[Java](#) · [Spring Boot](#) · [Go](#) · [Kotlin](#) · [Python](#) · [REST API](#)



CHAPTER 03 — FULL-STACK

Towards the full stack

From the API to the interface: designing data, logic and frontend together reduces friction and makes the product more coherent for its users.

[Vue.js](#) · [Angular](#) · [JavaScript](#) · [HTML5](#) · [CSS3](#)



CHAPTER 04 — ARCHITECTURE

Systems that talk

Changing context, stack and domain often taught me to look at the system as a whole: how it is organised, how it communicates and how it stays simple as it grows.

[Backend architecture](#) · [Systems integration](#) · [Enterprise applications](#)

HOW I WORK

- Every engagement starts with a conversation about goals, not with a standard quote.
- A single point of contact from requirements to release.
- Documented, maintainable code your team can keep evolving.
- Tailored quotes, defined around each project.

CURRENT FOCUS

Artificial intelligence applied to software development and process automation.

PORTFOLIO

Projects, services and contact details are online at

natalescalzo.it

**CHAPTER 05 — INDEPENDENT****End-to-end projects**

As an independent contractor I follow projects from idea to release: I listen to the problem, propose the technical solution and build it, as a single point of contact for the client.

[Web applications](#) · [Process automation](#) · [REST API](#)

**CHAPTER 06 — AI** **TODAY****Beyond traditional software**

My main area of study today: how artificial intelligence changes the way software is designed and written, and how to bring it into products reliably.

[AI applied to software](#) · [Python](#) · [Automation](#)

SERVICES**Custom Software Development**

Software built around your processes, not the other way round. From requirements to release, with code your team can keep evolving.

Full-Stack Web Applications

One partner for the whole application: interface, logic and data designed together, with less friction and clearer timelines.

Websites & Digital Experiences

Fast, accessible and carefully crafted websites, designed to communicate clearly and to be found.

Backend & API Development

Services and APIs designed to be reliable, documented and easy to integrate, so frontends, apps and partners can depend on them.

Business Software & CRM

Internal tools and management software that reduce manual work and put information in the hands of the people who need it.

Software Integrations & Automation

Systems that talk to each other: integrations between existing applications and automations that remove repetitive steps.